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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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John E. Logan

February 26, 1999

Magalie Roman Salas  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, NW  
Washington, D.C. 20554

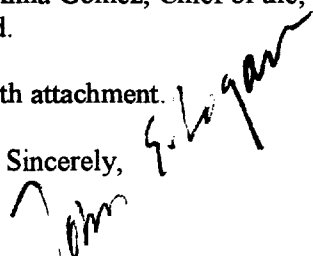
Re: *Ex Parte* Presentation  
CC Docket No. 92-237 ✓  
NSD File No. 98-151

Dear Ms. Salas:

Today, H. Gilbert Miller, Ph.D., Vice President, Center for Telecommunications and Advanced Technology, Mitretek Systems, Kathleen M. H. Wallman, and myself, on behalf of Mitretek Systems, made an *ex parte* presentation to Yog Varma, Deputy Chief, Common Carrier Bureau, Kris Montieth, Deputy Chief, Competitive Pricing Division, Blaise Scinto, Deputy Chief, Network Services Division, Jared Carlson, Network Services Division, Jeannie Grimes, Network Services Division, and Diane Harmon, Network Services Division. A copy of the presentation is attached. The response of Mitretek Systems to Anna Gomez, Chief of the, dated February 12, 1999, and filed in this docket, was also discussed.

Enclosed are four copies of this letter with attachment.

Sincerely,

  
John E. Logan

Attachment

No. of Copies rec'd 044  
List A B C D E

# Mitretek Presentation on NANP Administration



H. Gilbert Miller

26 February 1999

Prepared for

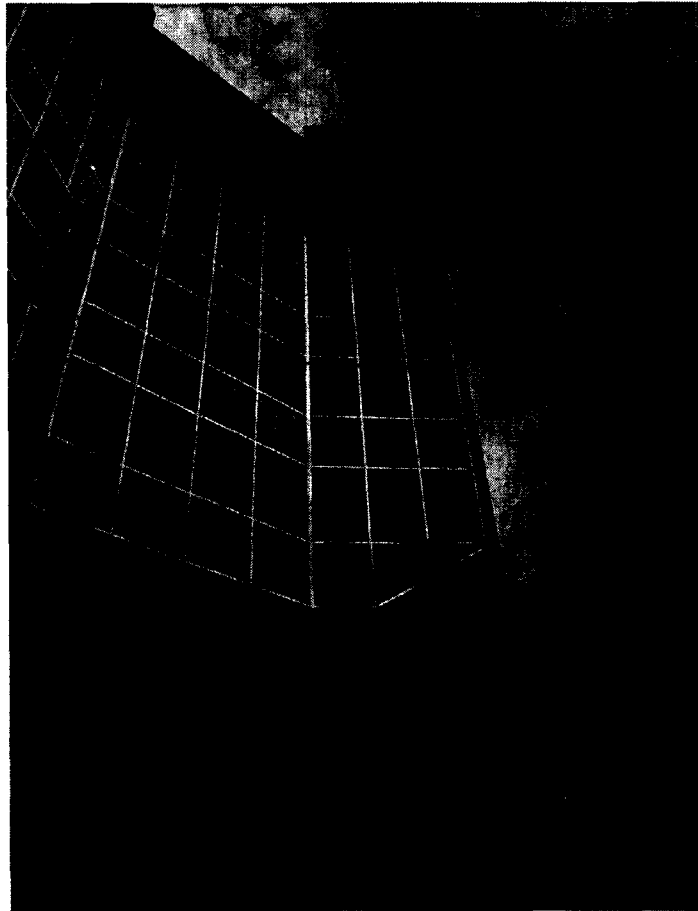
Yog Varma

Common Carrier Bureau

# Introduction

- **Objective**
  - **Provide additional information on answers to Federal Communications Commission (FCC) questions**
- **Prepared discussion materials**
  - **No change in corporate characteristics since 1997**
  - **Smooth, effective, transparent transition**
    - **Transition plan**
    - **Staffing plan**
      - **Team activities since 1997**
    - **Systems plan**
  - **Proposed price at level of current NANPA**

# Mitretek Systems - Corporate Characteristics Constant Since 1997



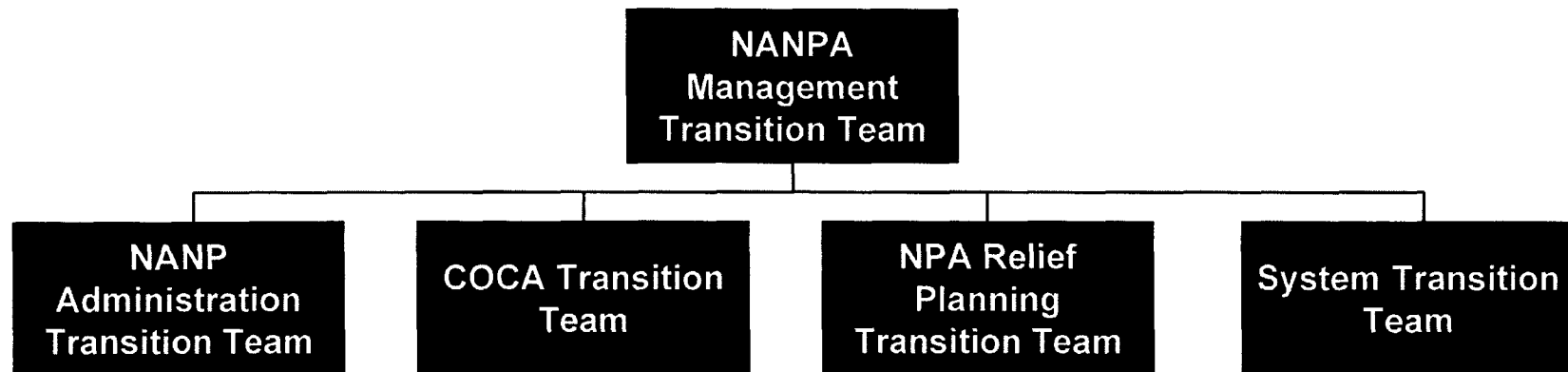
- Our purpose still is:
  - Innovative technology in the public interest
- Our characteristics still are:
  - No private ownership rights and no stock
  - No affiliations, associations, or partnerships with telecommunications providers
  - Refrain from commercial activity
  - Stringent conflict of interest policies
  - Neutral and free from external market-, technology-, and profit-related influences
  - Experienced in handling classified and proprietary information
  - Performance evaluated against technical quality, utility, and responsiveness metrics

# Transition Plan

- **Essential components**

- **Detailed and thorough transition plan**
- **Adequate staffing**
- **Information systems and tools to perform current functions**
- **Thorough understanding of risks**
- **Defined mitigation strategies**

# Transition Plan - Teams Organized for Quick Response



# Transition Plan - Overall Transition Schedule

Transition Action	Pre-May	May	June	July	August	Sept
1. Complete detailed transition planning	Plan	Complete	Monitor	Monitor	Monitor	Monitor
2. Transition NANP Administration		Plan	Train	Transition		
3. Transition CO Code Administration		Plan	Plan	Train	Transition	Transition
4. Transition NPA Relief Planning		Plan	Plan	Transition	Transition	Transition
5. Complete transition of existing systems and data		Transition	Transition	Transition		
6. Complete systems and additional functions	Design	Assess	Assess	Modify	Modify	Modify

# Transition Plan - NANPA Management Transition

NANPA Management Transition	Pre-May	May	June	July	August	Sept
<b>Implement Management Plan</b> <ul style="list-style-type: none"> <li>• Initiate dedicated Mitretek management and staff</li> <li>• Identify and commit Mitretek NANP Administration team</li> <li>• Prepare all Mitretek support groups for action</li> <li>• Move staff into NANPA facilities</li> </ul>	   					
<b>Implement Staffing Plan</b> <ul style="list-style-type: none"> <li>• Engage executive search firm</li> <li>• Identify all Mitretek staff</li> <li>• Complete NANPA function staffing</li> <li>• Complete COCA function staffing</li> <li>• Complete NPA Relief Planning function staffing</li> <li>• Train staff</li> </ul>	     					



MITRETEK SYSTEMS NANP ADMINISTRATION RESPONSE

# Transition Plan - COCA Transition

COCA Transition	Pre-May	May	June	July	August	Sept
• COCA Transition Team begins and continues work						
• Finalize COCA Transition Plan						
• On-site training and consultation with current NANPA						
• Establish Mitretek COCA Administration Center						
• Transfer all electronic and paper files from current NANPA						
• Transfer current activities						



# Transition Plan - System Transition

System Transition	Pre-May	May	June	July	August	Sept
• Enumerate functional requirements						
• Design system architecture						
• Complete system transition plan						
• Transition systems and data						
• Subsystem and operational tests						
• Ensure system stability						
• Assess ability of system to meet long-term requirements						
• Further system development						

# Staffing Plan - Requirements

- **Provide quality and innovative staff in accordance with the NANC Requirements**
  - **Required attributes**
  - **Sufficient quantities**
  - **Timely fashion**

# Staffing Plan - Providing Required Attributes

Quality, Attribute, or Capability	Exists in Mitretek	Mitretek Support Groups	Acquired in 1997 and Still Available	1999 Acquisition Begun
1. Knowledge about telecommunications network operations and NANP numbering resources				
2. Act as an information resource for all aspects of numbering				
3. Develop, operate, and maintain the computer-based systems required for NANPA and COCA functions				
4. Management skills (e.g., to manage the new NANPA organization)				
5. Project management skills (e.g., to plan NPA relief, to prepare COCUS)				
6. Interpersonal communication and negotiation skills (e.g., to facilitate and participate in industry activities, maintain effective relations)				
7. Manage proprietary data and competitively sensitive information				
8. Public relations skills (e.g., to explain complex numbering issues to the media and the public)				
9. Compliance resources (i.e., ensure compliance with all applicable laws)				

# Staffing Plan - Implementation

- **Providing sufficient staff quantities in a timely fashion**
  - **Dedicated existing Mitretek telecommunications and numbering plan staff**
  - **Dedicated Mitretek computer system development staff**
  - **Identify and retain additional experienced numbering plan professionals**

# Staffing Plan - Ability to Attract and Retain Numbering Administration Staff

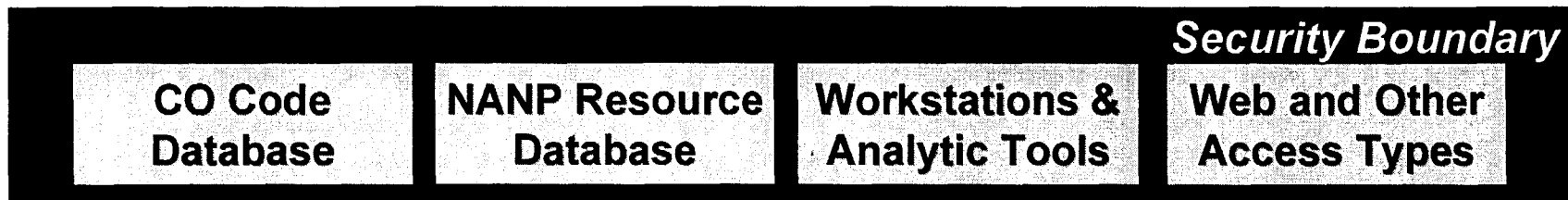
- **Mitretek proposed team still in-place**
  - Working telecommunications programs
  - Building telecommunications engineering tools and related systems
  - Staff eager to return on FCC decision
- **Knowledgeable executive search firm**
  - 1997 people willing to commit at award
  - Developed contacts network
- **Mitretek contacts with telecommunications industry**
- **Mitretek contacts with numbering community**
- **Numbering community**
  - Limited size
  - Professionals interested in working in number administration
- **Attractive salary and benefits package**



# Staffing Plan - Team Activities Since 1997

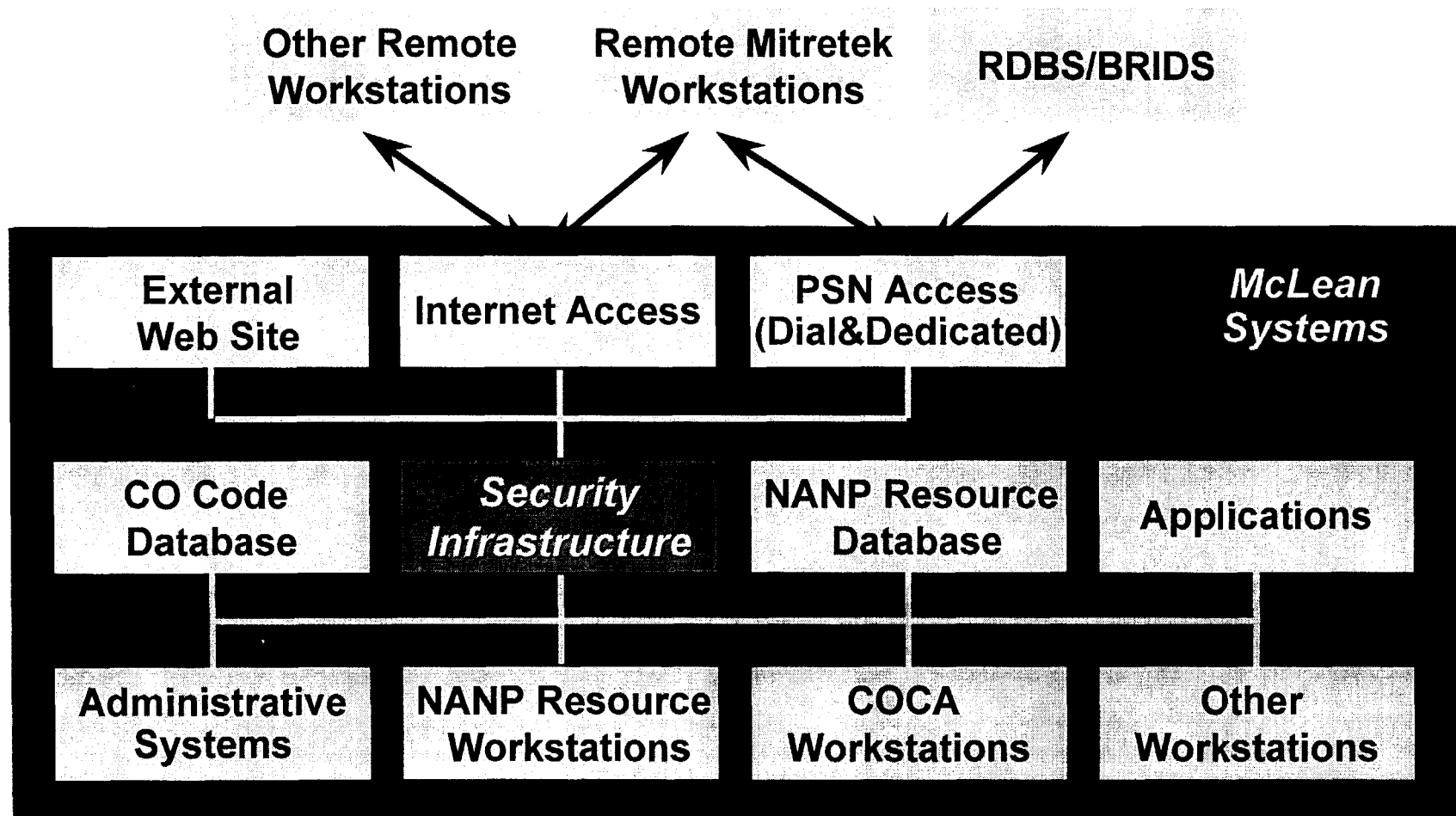
Related Area	Activities	Persons Involved
Numbering community liaison	<ul style="list-style-type: none"> <li>• Maintain contacts with numbering community</li> <li>• Maintain contact with FCC</li> <li>• Maintain contact with states</li> </ul>	<ul style="list-style-type: none"> <li>• David Weitzel</li> <li>• Brenda Stevens</li> <li>• H. Gilbert Miller</li> <li>• Frank Ferrante</li> </ul>
Track council and working group activities and procedural changes	<ul style="list-style-type: none"> <li>• Track NANC (and working group) record</li> <li>• Track INC record</li> <li>• Track CSCN record</li> </ul>	<ul style="list-style-type: none"> <li>• Robert Fulton</li> <li>• Brenda Stevens</li> </ul>
Track new initiatives	<ul style="list-style-type: none"> <li>• Track 1000 block pool administration RFP development</li> <li>• Monitor enhanced COCUS activities</li> <li>• Track the relationship of IP addresses to IP telephony needs for numbers</li> </ul>	<ul style="list-style-type: none"> <li>• David Weitzel</li> <li>• David Garbin</li> <li>• H. Gilbert Miller</li> </ul>
Utilization analysis	<ul style="list-style-type: none"> <li>• Continue analysis of number of NPAs in relief planning</li> <li>• Continue forecast of number of NPAs in relief planning</li> </ul>	<ul style="list-style-type: none"> <li>• David Garbin</li> <li>• H. Gilbert Miller</li> </ul>
NANPA-related systems feasibility	<ul style="list-style-type: none"> <li>• Conduct projects and research related to:               <ul style="list-style-type: none"> <li>- Secure infrastructure for knowledge workers</li> <li>- Digital signature technology applications</li> <li>- Administration of public keys and authentication certificates</li> <li>- Development of a data warehousing system for the management of area codes, exchanges, and rate centers data and associated census, technical, and cost data</li> <li>- Development of geographic information system technology for the presentation of data warehouse-based data for the examination of universal services fees</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• David Garbin</li> <li>• Monette Respress</li> <li>• Derek Smeds</li> <li>• Tracey Kelly</li> <li>• Cindy Wear</li> </ul>
Telecommunications update	<ul style="list-style-type: none"> <li>• Track, monitor, and forecast major trends in telecommunications and related information technologies</li> <li>• Produce quarterly update</li> </ul>	<ul style="list-style-type: none"> <li>• David Garbin</li> <li>• Tom Fowler</li> <li>• Frank Ferrante</li> </ul>

# Systems Plan - Update

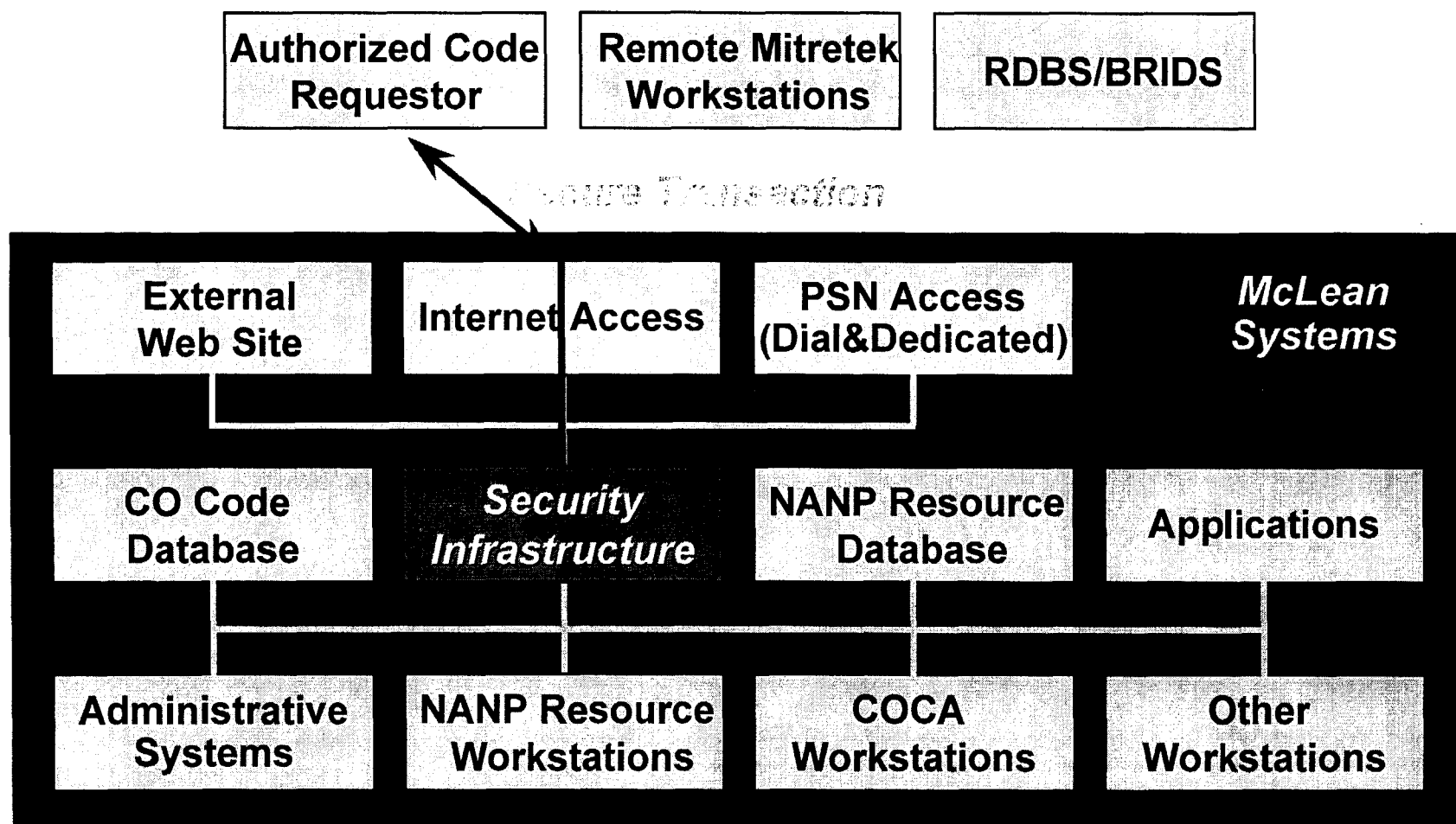


- **Relevant research and projects since 1997:**
  - Secure knowledge worker infrastructure
  - Digitally signed documents and transactions
  - Public key encryption implementation
  - Data warehousing for area codes, exchanges, and rate centers
  - Geographic information system (GIS) presentation of data warehouse
- **Impacts**
  - Demonstrated feasibility of 1997 proposed architecture
  - Implement all-electronic environment immediately
  - Less staff required

# Systems Plan - Update



# Systems Plan - Electronic CO Code Request



# Pricing

- Mitretek's price proposal is based on four functional sets

NANPA Function	1997 Mitretek	Function Set 2	Function Set 3	Function Set 4
Management	X	X		
NANP Administration	X	X		
CO Code Administration	X	X		
NPA Relief Planning	X	X		
System Development	X	X		
Enhanced COCUS	X		X	
Pool Administration	X		X	
Increased NPA Relief Planning	X			X
Others	X			

# Pricing

- The prices for Function Set 2 is:

	Year 2 – FY1999	Year 3 – FY2000	Year 4 – FY2001	Year 5 – FY2002	Remainder of Term
Function Set 2	2,017,367	5,558,067	5,518,567	5,838,526	18,936,526

- Prices relative to incumbent NANPA

	Year 2 – FY1999	Year 3 – FY2000	Year 4 – FY2001	Year 5 – FY2002	Remainder of Term
Function Set 2	1.2%	5.2%	0.2%	1.8%	2.2%